



**NTSB** National Transportation Safety Board

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*Office of Highway Safety*

## **Chelsea, Michigan**

Rear-End Chain  
Reaction Collision  
July 16, 2004



← N

Fletcher Road

94

**First Accident**

**Second Accident Occurred**

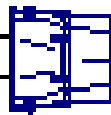




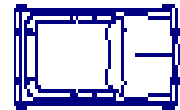
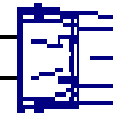


Saturn

Kenworth



Sterling



Kenworth Truck

Sterling Truck

Kenworth tire marks →

10 11:25AM





# Rear of Sterling semitrailer

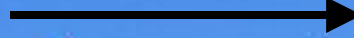




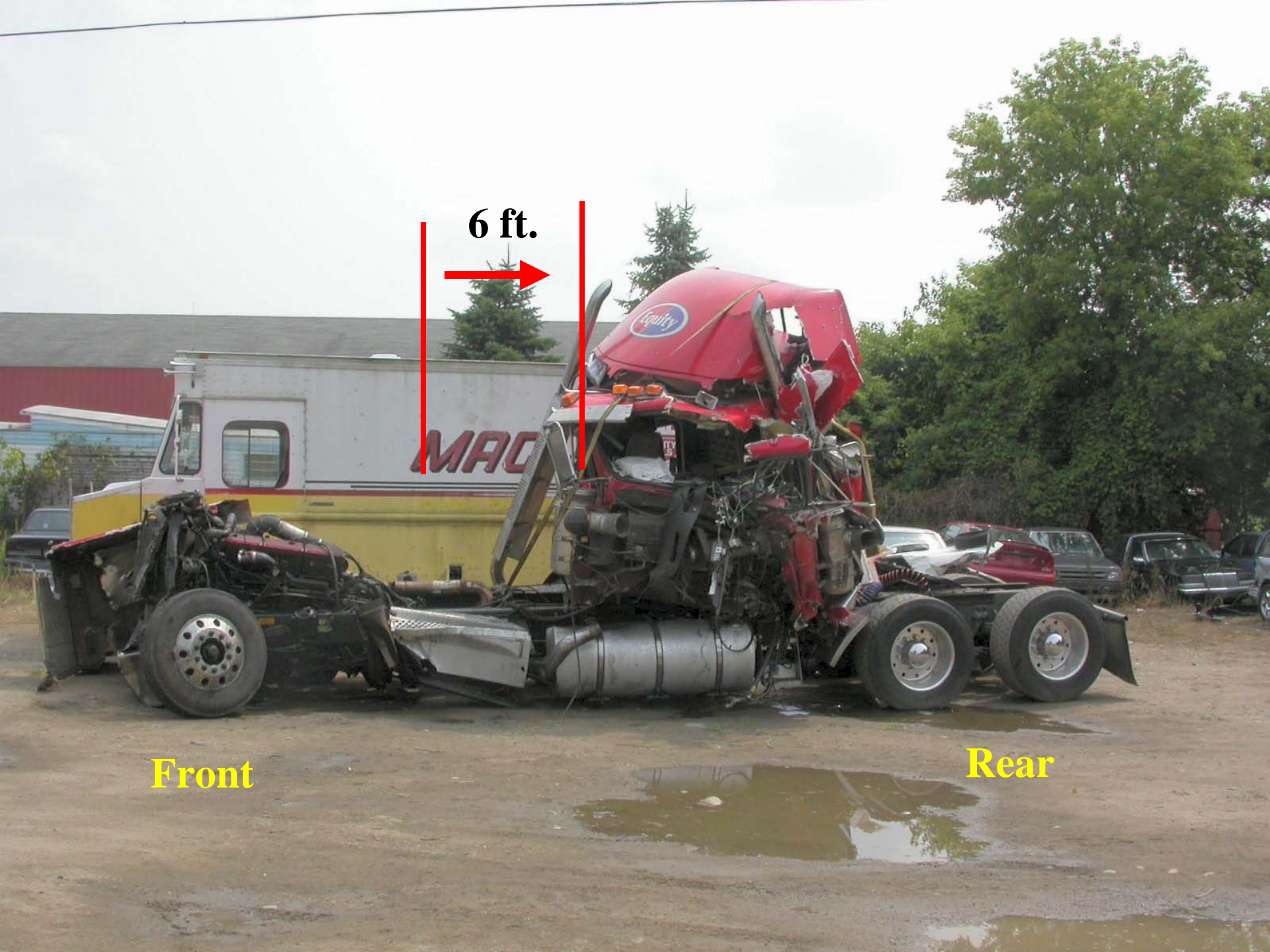


Source: Michigan State Police

6 ft.







6 ft.



Front

Rear







# Safety Issues

- Questionable driver oversight by the motor carrier
- Insufficient Federal regulations regarding paper log accountability
- Need for a more accurate, valid, and secure method of tracking and recording hours of service
- Failure of State to account for traffic queuing caused by work zone project



# Proposed Safety Recommendations

- Federal Motor Carrier Safety Administration (FMCSA)
- Equity Transportation, Inc.

# Investigative Staff

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- Paula Sind-Prunier Human Performance
- George Black Highway Factors
- Ron Kaminski Survival Factors
- Pete Kotowski Motor Carrier Factors
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# Parties To Investigation

- FMCSA
- Michigan Department of Transportation
- Michigan State Police
- Ryder Logistics
- Tobe Construction Company





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